

CLAIMS**What is claimed is:**

- [C1] 1. A medical tack comprising:
a shaft having a point end and a base end;
an attachment point formed near said point end;
an attachment point formed near said base end; and
means for varying a position of one of said attachment points.
- [C2] 2. The medical tack according to claim 1, wherein said means for
varying said position is a nut.
- [C3] 3. The medical tack according to claim 1, wherein said means for
varying said position is an elastomer.
- [C4] 4. The medical tack according to claim 1, wherein said means for
varying said position is a spring.
- [C5] 5. The medical tack according to claim 4, further comprising a
flange near said base end for seating said spring.
- [C6] 6. The medical tack according to claim 5, wherein said spring is a
coil spring formed around said shaft.
- [C7] 7. The medical tack according to claim 4, wherein said spring is a
dome spring.

[C8] 8. The medical tack according to claim 4, wherein said spring is a leaf spring.

[C9] 9. The medical tack according to claim 4, wherein said spring is a plurality of leaf springs of varying length.

[C10] 10. The medical tack according to claim 6, further comprising a washer adjacent to said spring.

- [C11]** 11. A retinal tack for attaching a retinal device comprising:
a shaft having a point end and a base end;
an attachment point formed near said point end;
an attachment point formed near said base end; and
means for varying a position of one of said attachment points.
- [C12]** 12. The retinal tack according to claim 11, wherein said means for varying said attachment point is a nut.
- [C13]** 13. The retinal tack according to claim 11, wherein said means for varying said attachment point is a spring.
- [C14]** 14. The retinal tack according to claim 11, wherein said shaft is sized such that said tack will pierce said retinal device, a retina and a sclera such that said attachment point formed near said point end abuts a back side of the sclera and tends to prevent the tack from being withdrawn.
- [C15]** 15. The retinal tack according to claim 13, further comprising a flange near said base end for seating said spring.
- [C16]** 16. The retinal tack according to claim 13, wherein said spring is a coil spring formed around said shaft.
- [C17]** 17. The retinal tack according to claim 13, wherein said spring is a dome spring.
- [C18]** 18. The retinal tack according to claim 13, wherein said spring is a leaf spring.

[C19]

19. The retinal tack according to claim 13, wherein said spring is a plurality of leaf springs of varying length.

[C20]

20. The retinal tack according to claim 16, further comprising a washer adjacent to said spring.

[C21]

21. The retinal tack according to claim 13, wherein said spring exerts less than 0.2 g/mm^2 across the surface of a retinal device.

[C22]

22. A retinal tack for attaching a retinal device comprising:

- a shaft having a point end and a base end;
- a barb formed near said point end;
- a flange formed near said base end;
- a coil spring, having one end affixed to said flange and circling around said shaft; and
- a washer affixed to an end of said spring, opposite to said one end, wherein said shaft is sized such that said tack will pierce said retinal device, a retina and a sclera such that said barb abuts a back side of the sclera and tends to prevent the tack from being withdrawn, and said washer abuts said retinal device exerting less than 0.2 g/mm^2 across the surface of a retinal device.